

WHAT IS CLAIMED IS:

1. An isolated nucleic acid molecule comprising at least 59 contiguous nucleotides from SEQ ID NO:1.

2. An isolated nucleic acid molecule comprising a nucleotide sequence that:

(a) encodes the amino acid sequence shown in SEQ ID NO:2; and

(b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO:1 or the complement thereof.

3. An isolated nucleic acid molecule comprising a nucleotide sequence that encodes the amino acid sequence shown in SEQ ID NO:2.

4. A substantially isolated protein having the transporter activity of the protein shown in SEQ ID NO:2, which is encoded by a nucleotide sequence that hybridizes to SEQ ID NO:1 under highly stringent conditions.

5. A substantially isolated protein according to Claim 4 comprising the amino acid sequence of SEQ ID NO:2.

6. An isolated nucleic acid molecule comprising at least 47 contiguous nucleotides from SEQ ID NO:4.

7. An isolated nucleic acid molecule comprising a nucleotide sequence that:

(a) encodes the amino acid sequence shown in SEQ ID NO:5; and

(b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO:4 or the complement thereof.

5            8.    An isolated nucleic acid molecule comprising a nucleotide sequence that encodes the amino acid sequence shown in SEQ ID NO:4.

10           9.    A substantially isolated protein having the transporter activity of the protein shown in SEQ ID NO:5, which is encoded by a nucleotide sequence that hybridizes to SEQ ID NO:4 under highly stringent conditions.

15           10.   A substantially isolated protein according to Claim 9 comprising the amino acid sequence of SEQ ID NO:5.

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